



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FOURTH YEAR FIRST SEMESTER EXAMINATIONS FOR
THE DEGREE OF BACHELOR OF SCIENCE IN AGRONOMY
WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

AAG 402: CEREALS AND LEGUMES

Date: 30th November, 2016

Time: 8.30 - 11.30 am

INSTRUCTIONS:

- Answer ALL questions in SECTION A and any TWO questions in SECTION B.



AAG 402: CEREALS & LEGUMES

TIME 3.00 HRS (TOTAL MARKS 70)

INSTRUCTIONS:

Answer ALL the questions in section A and any TWO questions in section B.
Section A is 30 Marks while section B is 40 Marks.

SECTION I Answer all questions (3Marks each)

- 1 Briefly discuss the ecology for wheat production in Kenya
- 2 Briefly outline the etiology and control of 2 major diseases of wheat in Kenya
- 3 Why is it important to ensure optimal spacing in cereal crop production
- 4 Why do farmers prefer planting hybrid maize varieties over synthetic maize cultivars
- 5 Which considerations determine spacing in establishing a maize field
- 6 Briefly discuss recommended fertilizer application in maize
- 7 Outline the two major types of rice production
- 8 Describe the major Cow pea diseases and pests and respective control measures
- 9 Discuss briefly the major weed problem in Sorghum production in East Africa
- 10 Briefly provide a broad outline of the scope for Sorghum utilization in Kenya

SECTION II : Answer any two questions (20 MARKS EACH)

- 11 Discuss field agronomic practices for efficient production of the Phaseolus beans in Kenya
- 12 Discuss improved agronomic practices for production of Maize in Kenya
- 13 Discuss the major challenges to Cereal staple diversification and food security in Kenya